

FIGURE 1

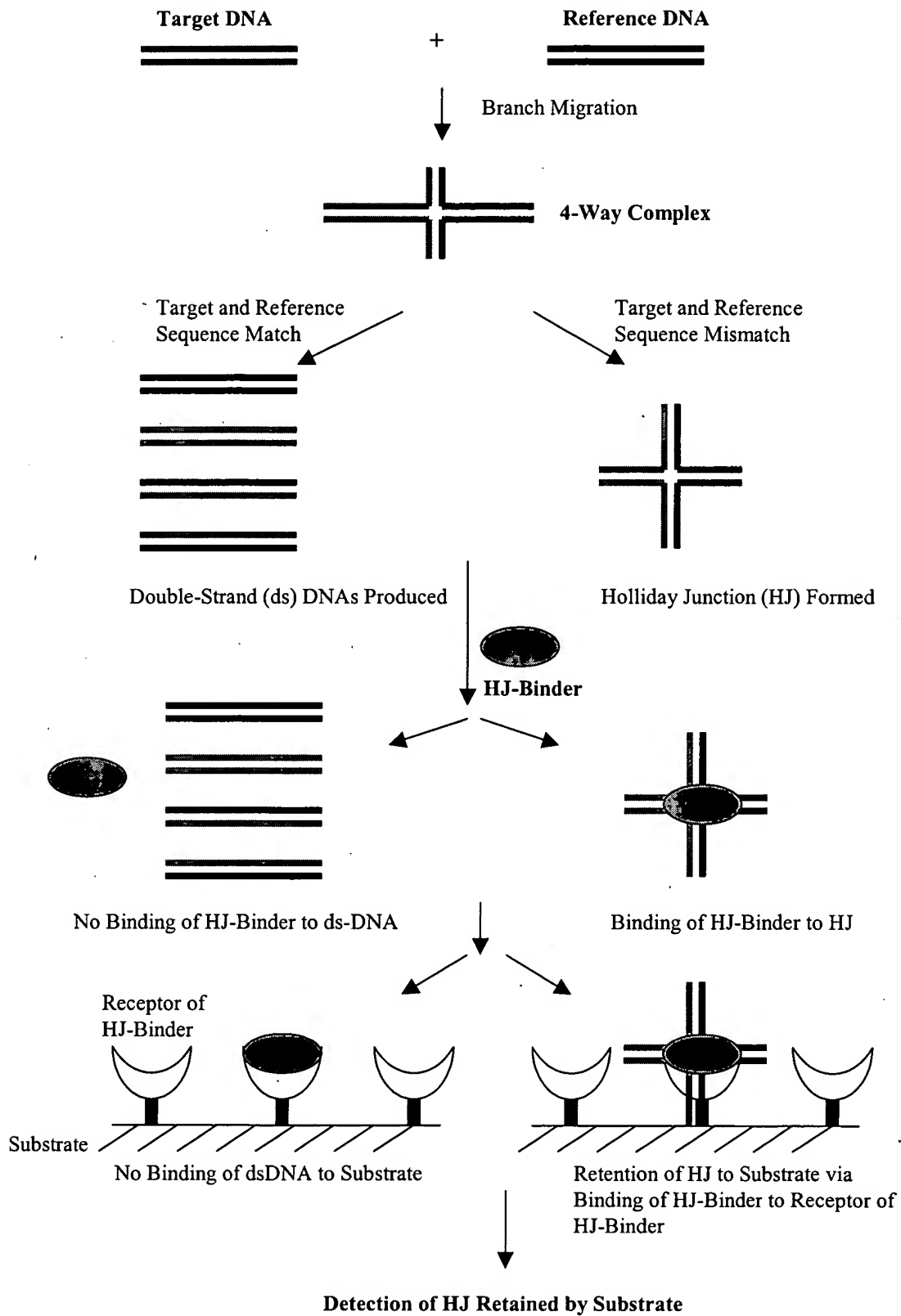


FIGURE 2

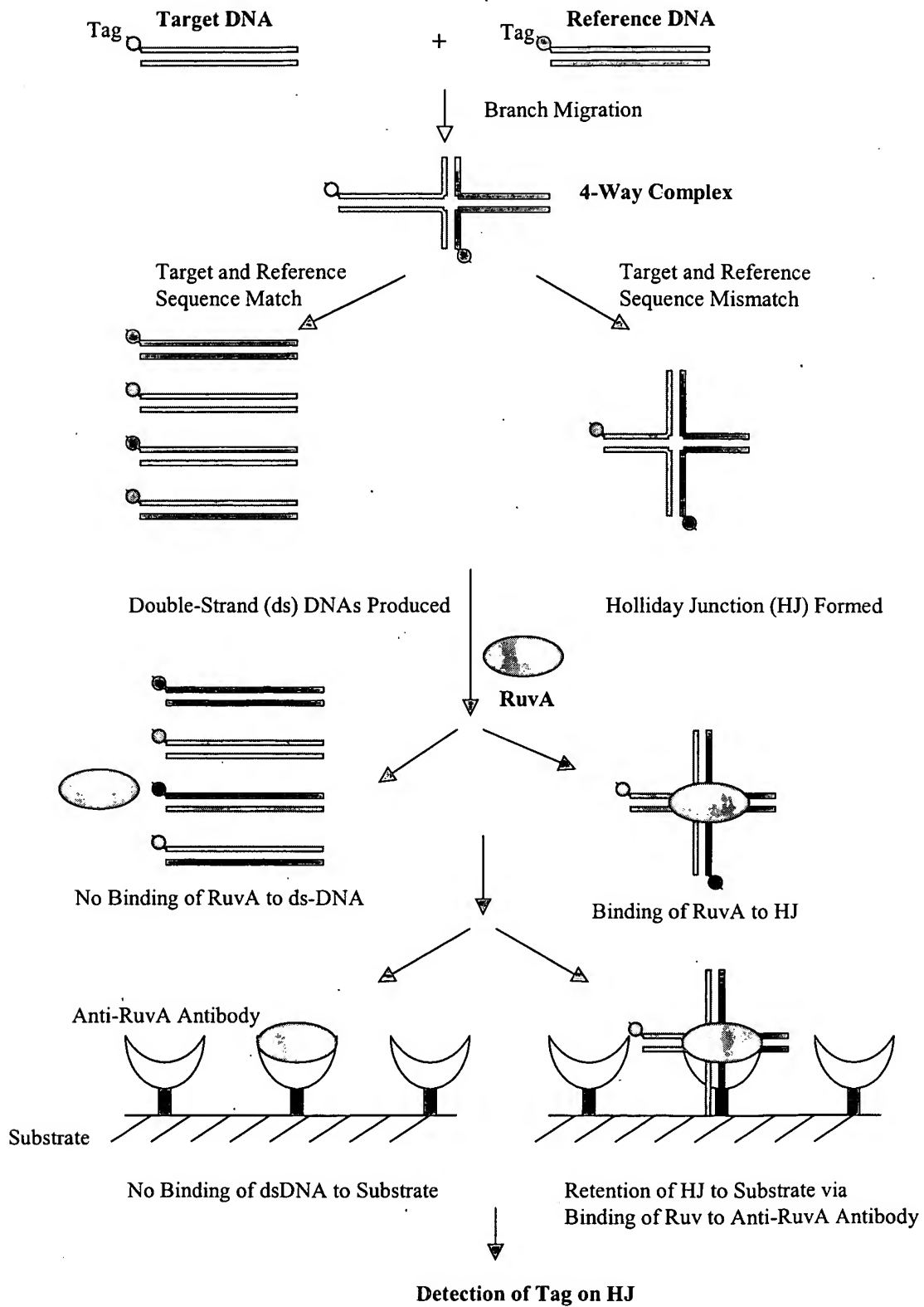


FIGURE 3

HAS (Holliday Junction-based Allele Specific) genotyping technology

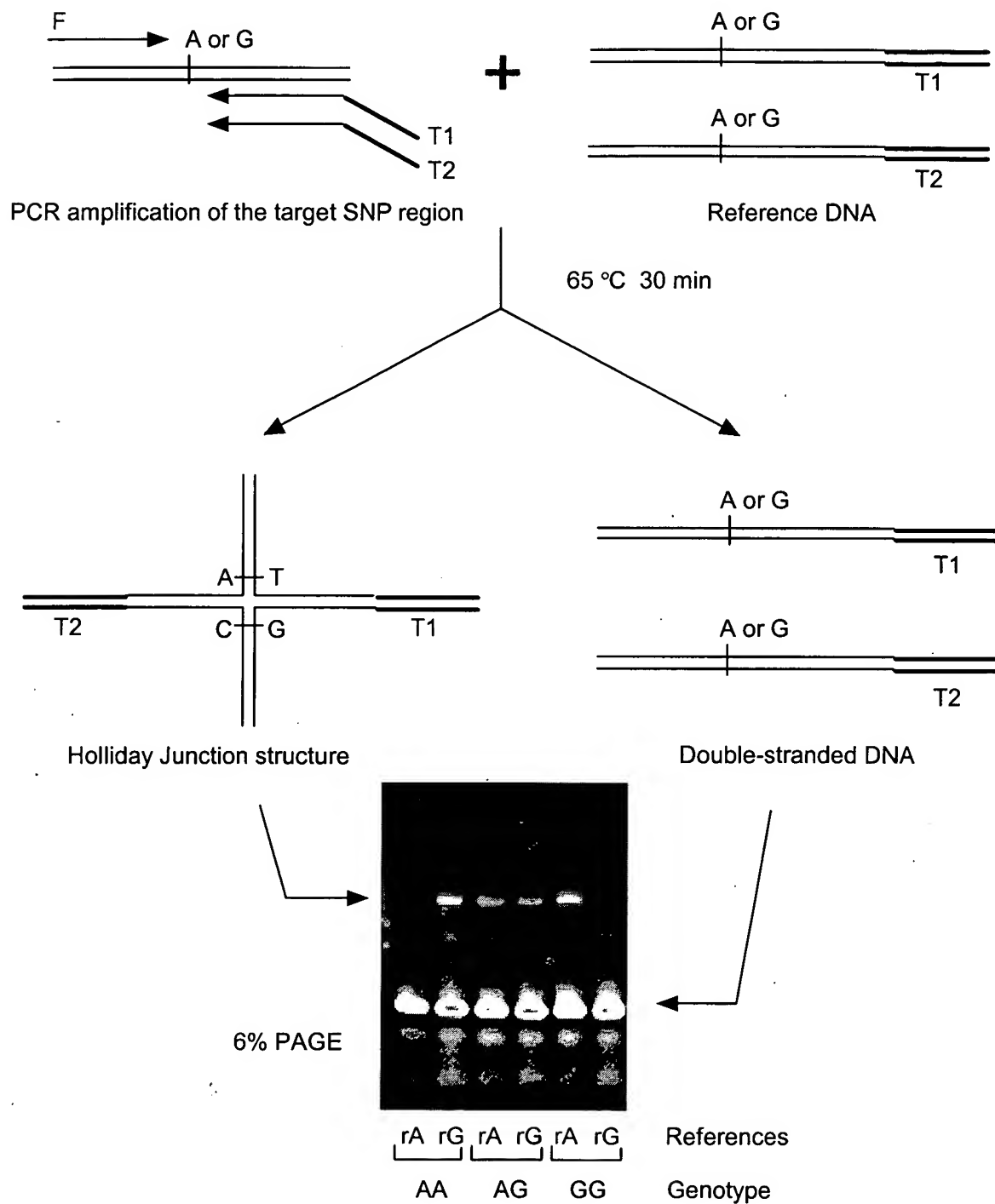


FIGURE 4

Factor II Mutation (G20210A)

F: GGTGGTTCCCAATAAAAGTGACTCTCAGC (SEQ ID NO: 1)
rA: GGTGGTTCCCAATAAAAGTGACTCTCAGC A TGCCT (SEQ ID NO: 2)
rG: GGTGGTTCCCAATAAAAGTGACTCTCAGC G TGCCT (SEQ ID NO: 3)
Genome: GGTGGTTCCCAATAAAAGTGACTCTCAGC G AGCCTCAATGCTCCCAGTGCT (SEQ ID NO: 4)

Tail 1: 3'-GCCTCAATGCTCCCAGTGCT **CTCGTAATCTCGCAGATGGT-5'**
Tail 2: 3'-GCCTCAATGCTCCCAGTGCT **AATACGTGAGCGCTAGGATC-5'**

MTHFR C677A Mutation

F: CGGGAGGGAGCTGACCAGTGAAG (SEQ ID NO: 9)
rA: CGGGAGGGAGCTGACCAGTGAAG A TAGTGT (SEQ ID NO: 10)
rG: CGGGAGGGAGCTGACCAGTGAAG C TAGTGT (SEQ ID NO: 11)
Genome: CGGGAGGGAGCTGACCAGTGAAG C AAGTGTGCTTTGAAGTCTTTGTTCTTACC (SEQ ID NO: 12)

Tail 1: 3'-AGTGTGCTTTGAAGTCTTTGTTCTTACC **CTCGTAATCTCGCAGATGGT-5'**
Tail 2: 3'-AGTGTGCTTTGAAGTCTTTGTTCTTACC **AATACGTGAGCGCTAGGATC-5'**

FIGURE 5

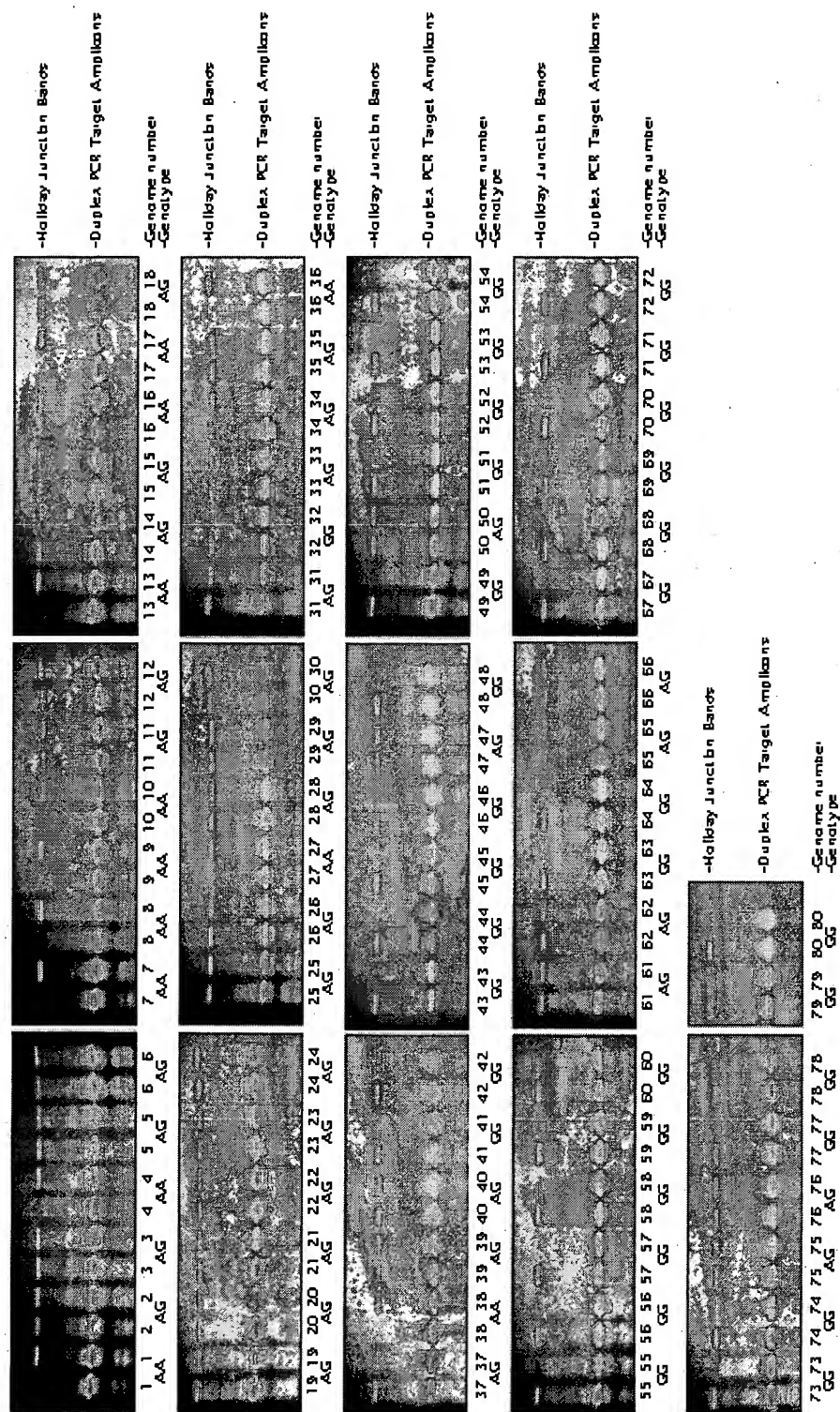


FIGURE 6

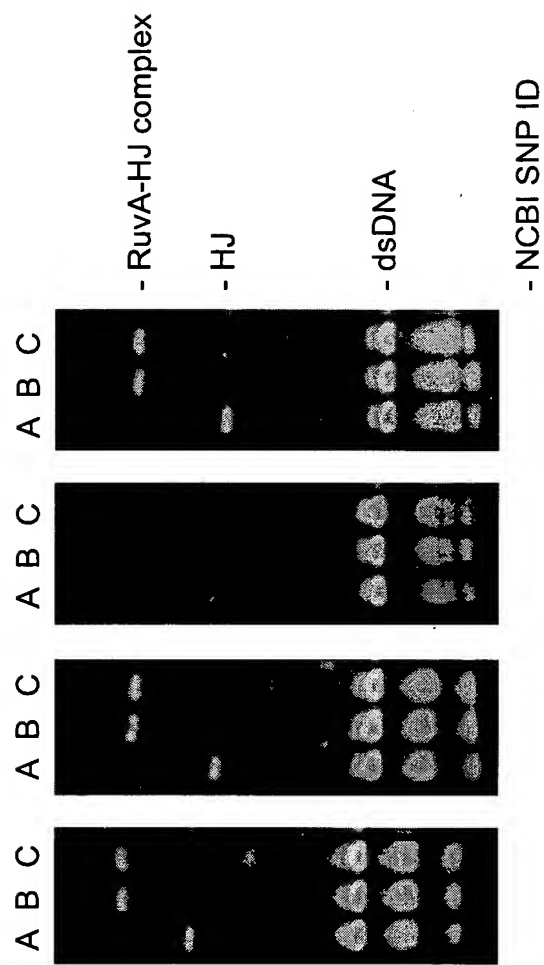


FIGURE 8

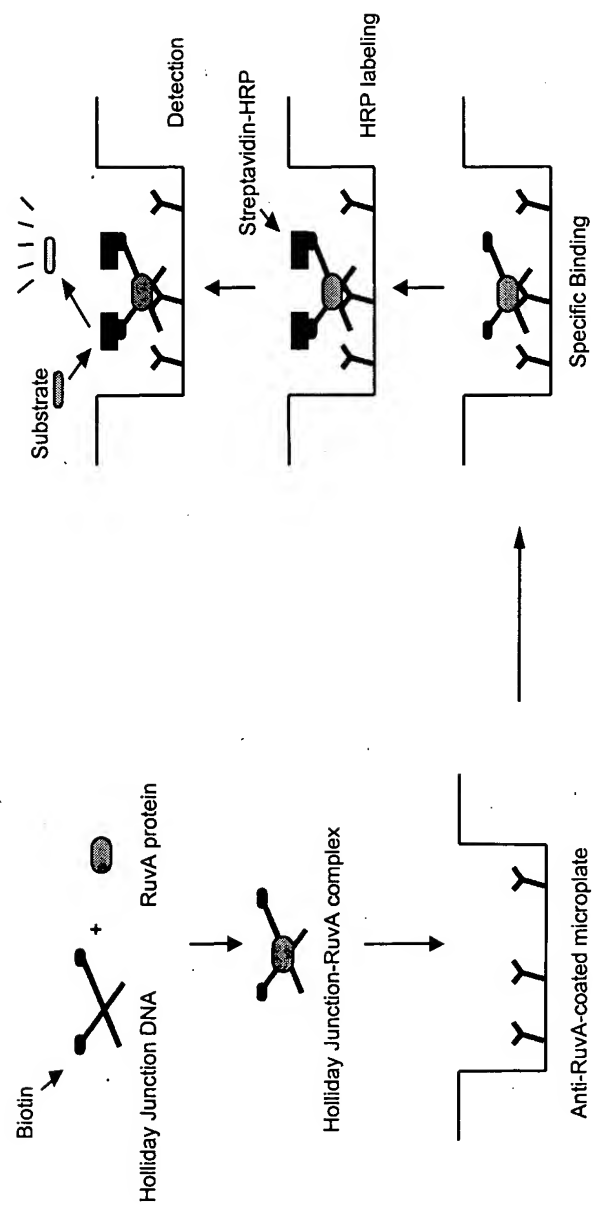


FIGURE 9

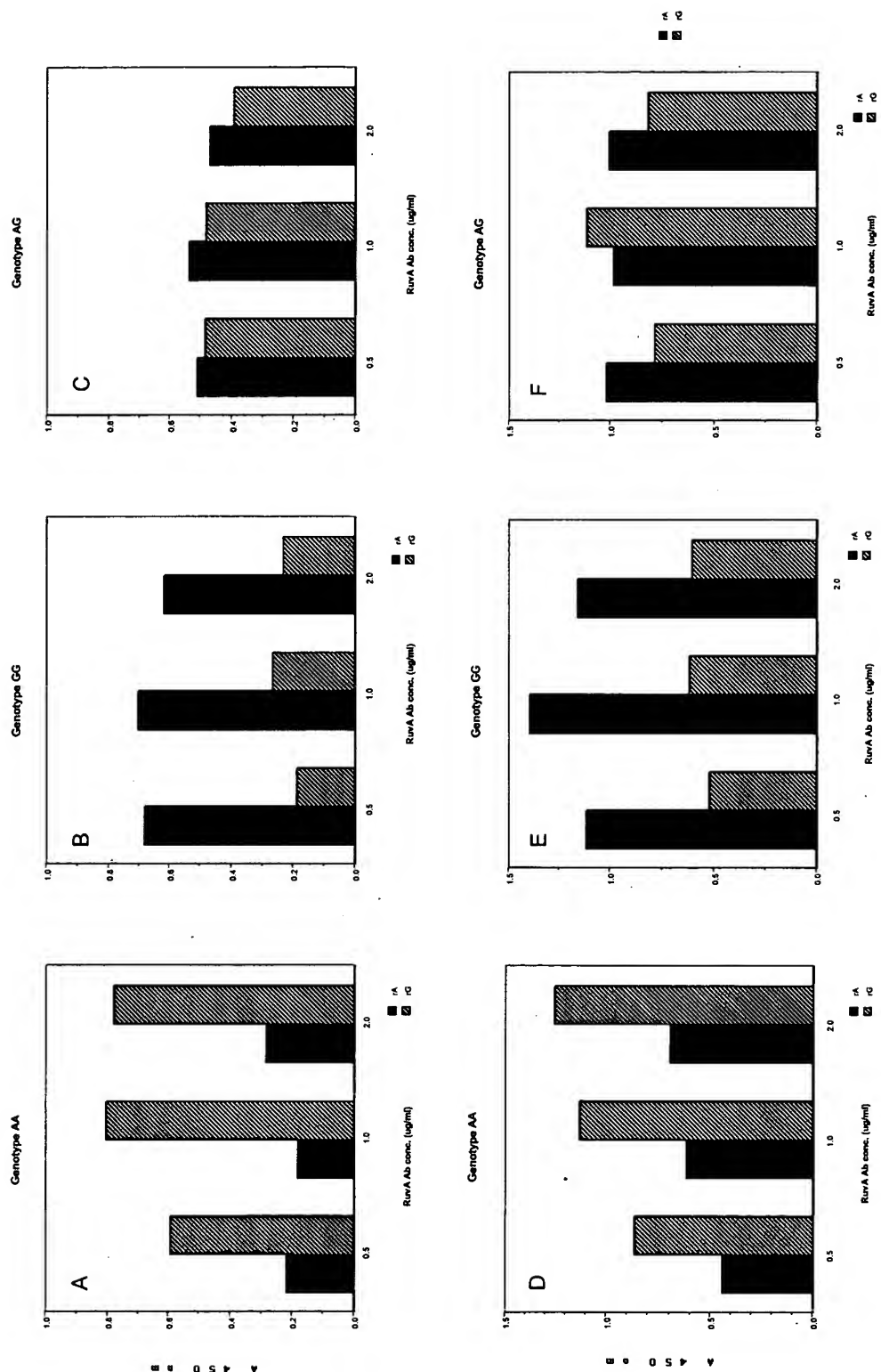


FIGURE 10

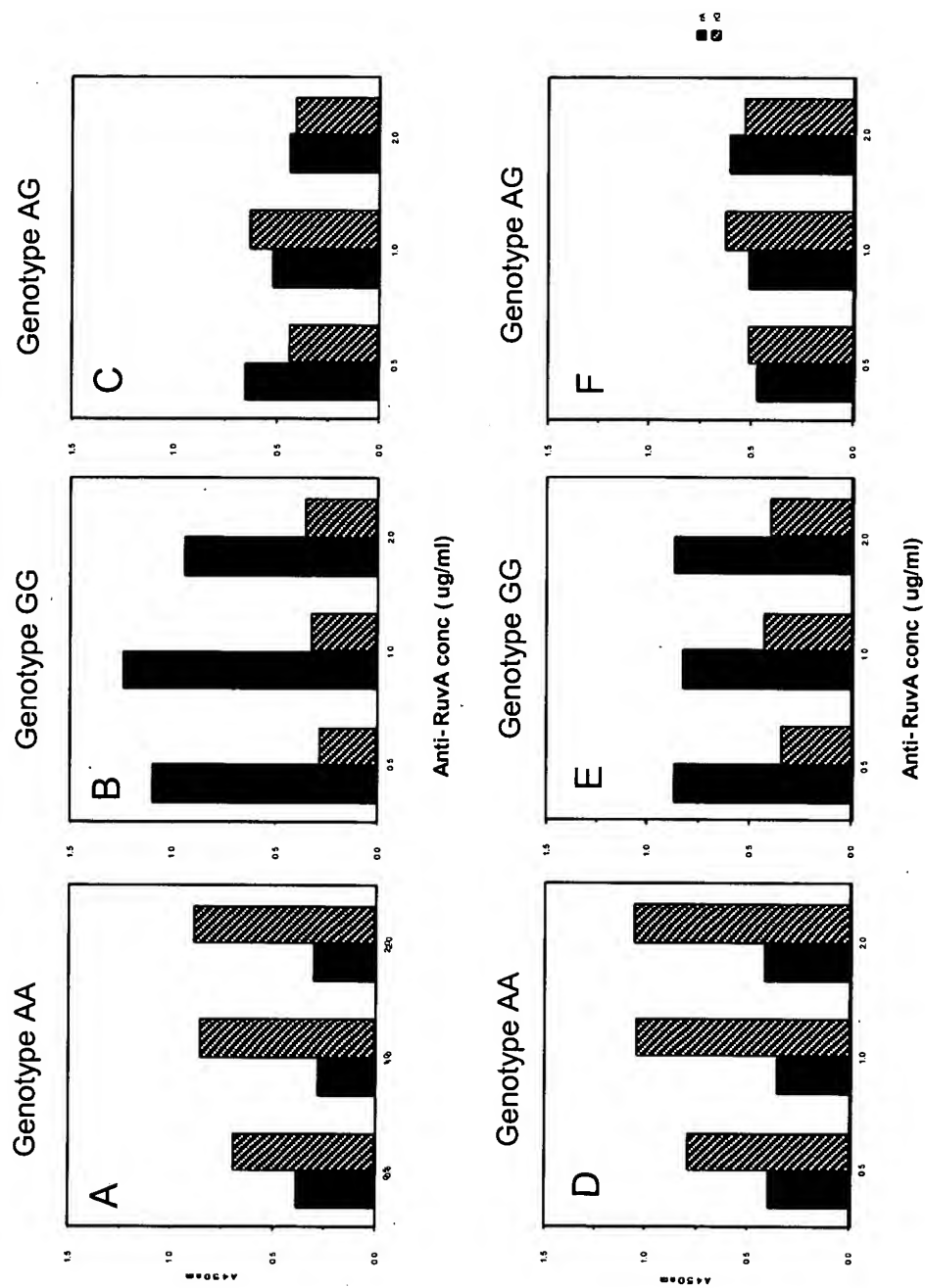


FIGURE 11

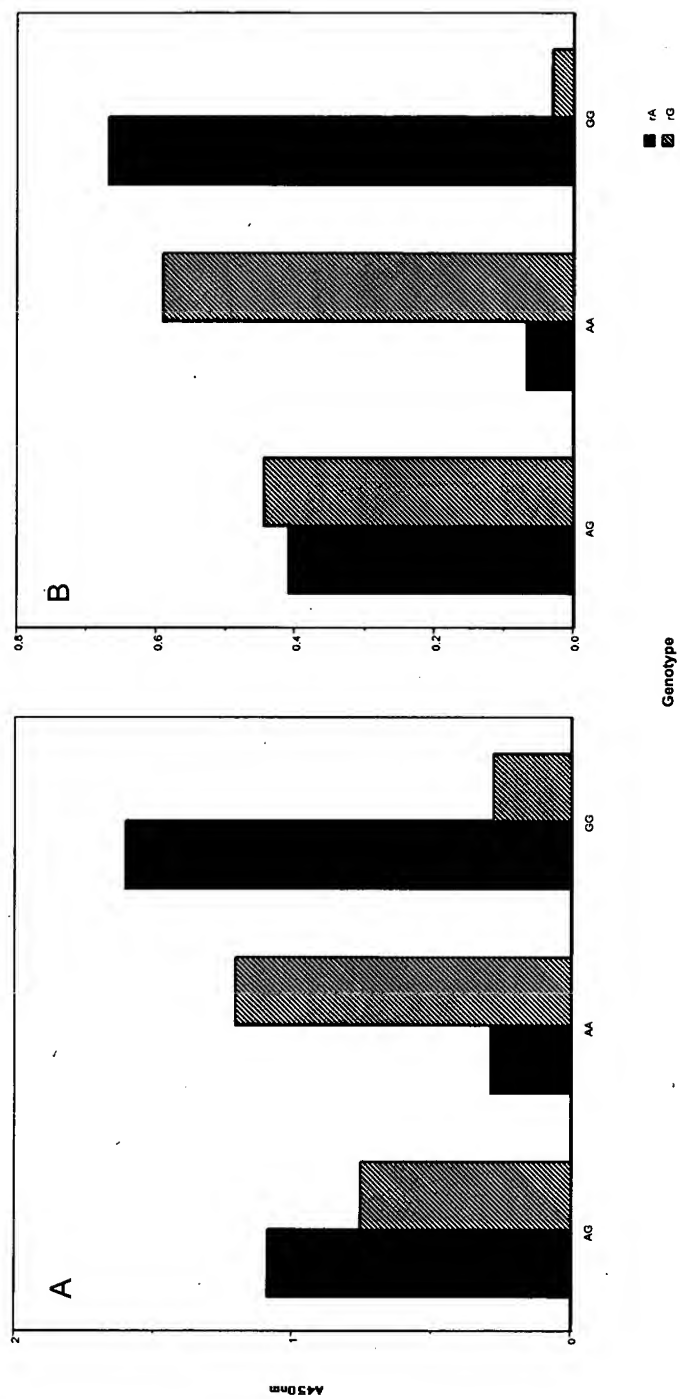


FIGURE 12

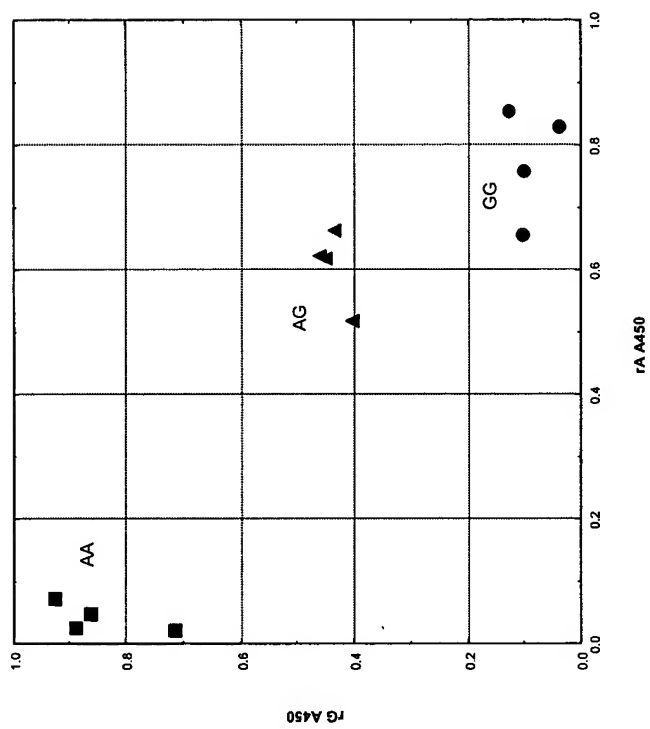


FIGURE 13

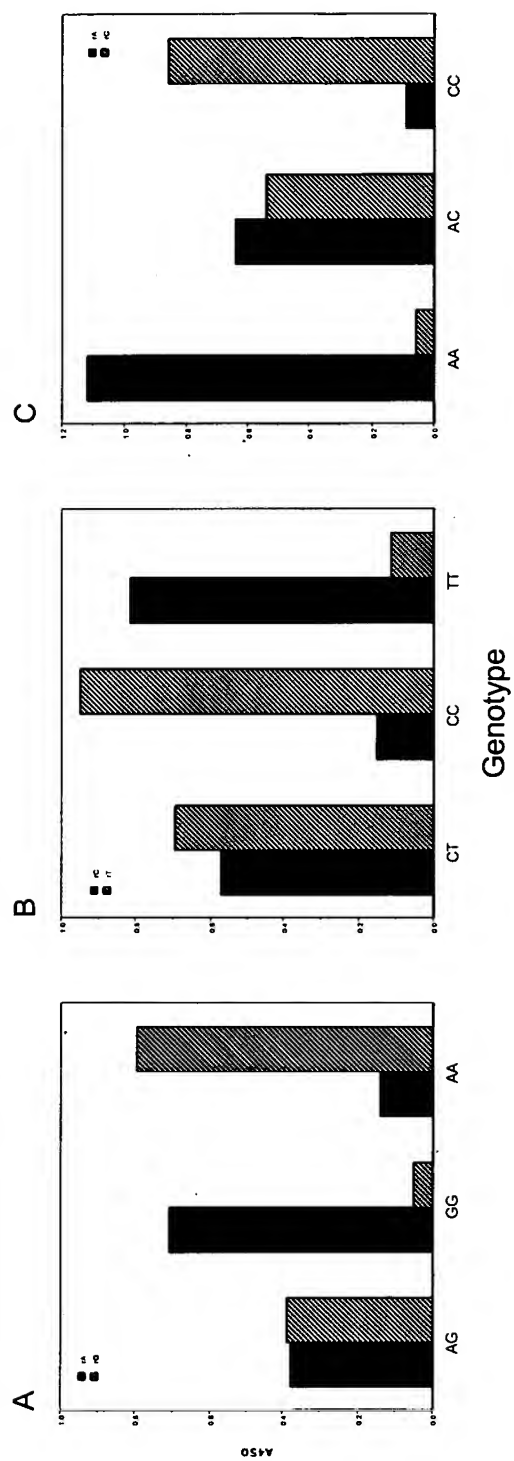


FIGURE 14

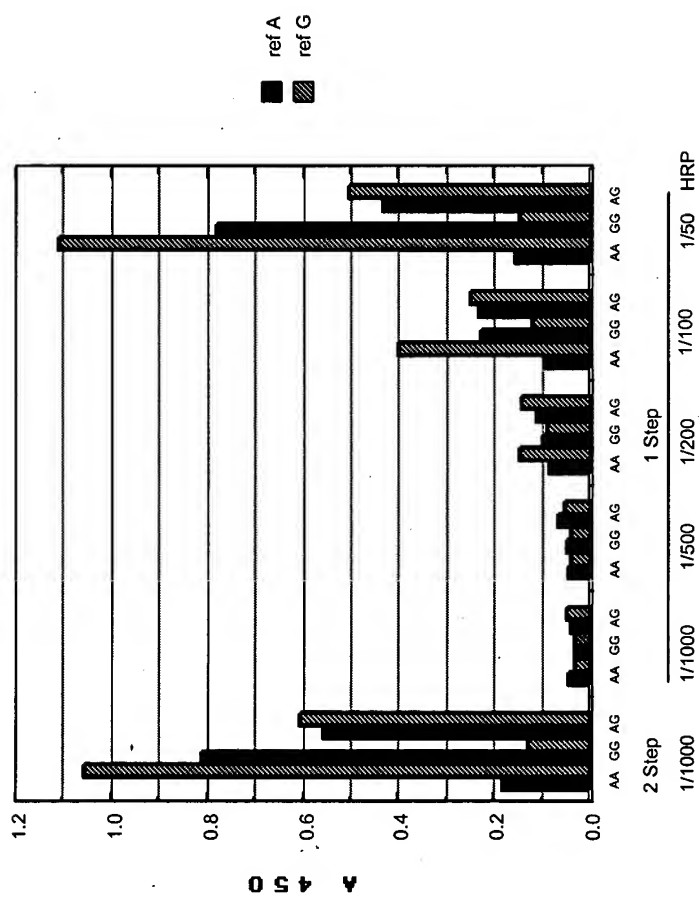


FIGURE 15

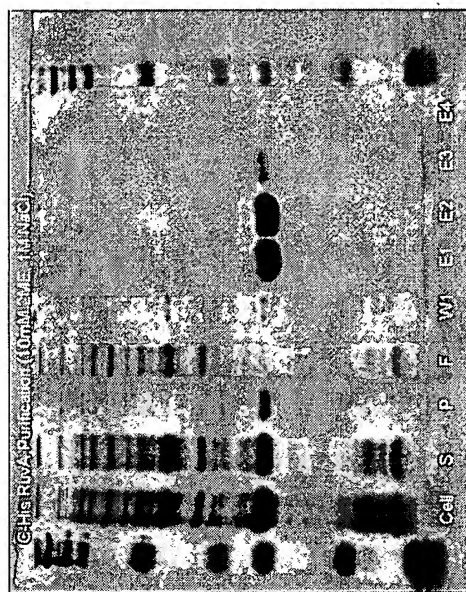


FIGURE 16

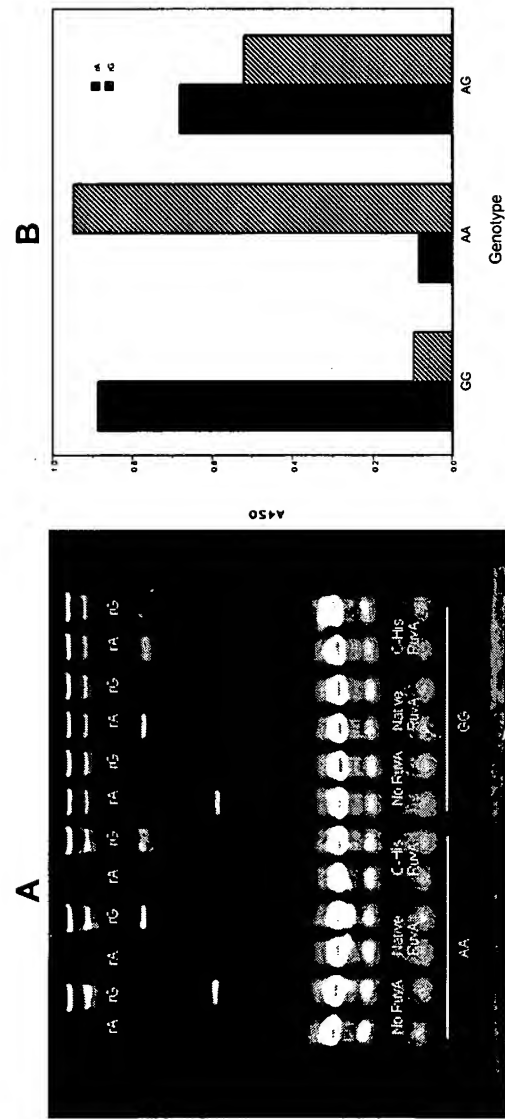


FIGURE 17

F: 5'Biotin-GCCGCCCACTGTTTGGCTTTCAGTTAT (SEQ ID NO: 22)
rM: GCCGCCCACTGTTTGGCTTTCAGTTATAAGGATG (SEQ ID NO: 23)
rV: GCCGCCCACTGTTTGGCTTTCAGTTATGAGGATGA (SEQ ID NO: 24)
rI: GCCGCCCACTGTTTGGCTTTCAGTTATAATGATGAT (SEQ ID NO: 25)
Genome: CCCACTGTTTGGCTTTCAGTTATATGGATGATGTGGTATTTGGGGC
(SEQ ID NO: 27) Tail 1: 3'-GATGATGTGGTATTTGGGGCCCTCGTAATCTCGACAGTGGT-5'
(SEQ ID NO: 29) Tail 2: 3'-GATGATGTGGTATTTGGGGGCATAACGTGAGCGCTAGGATC-5'

FIGURE 18

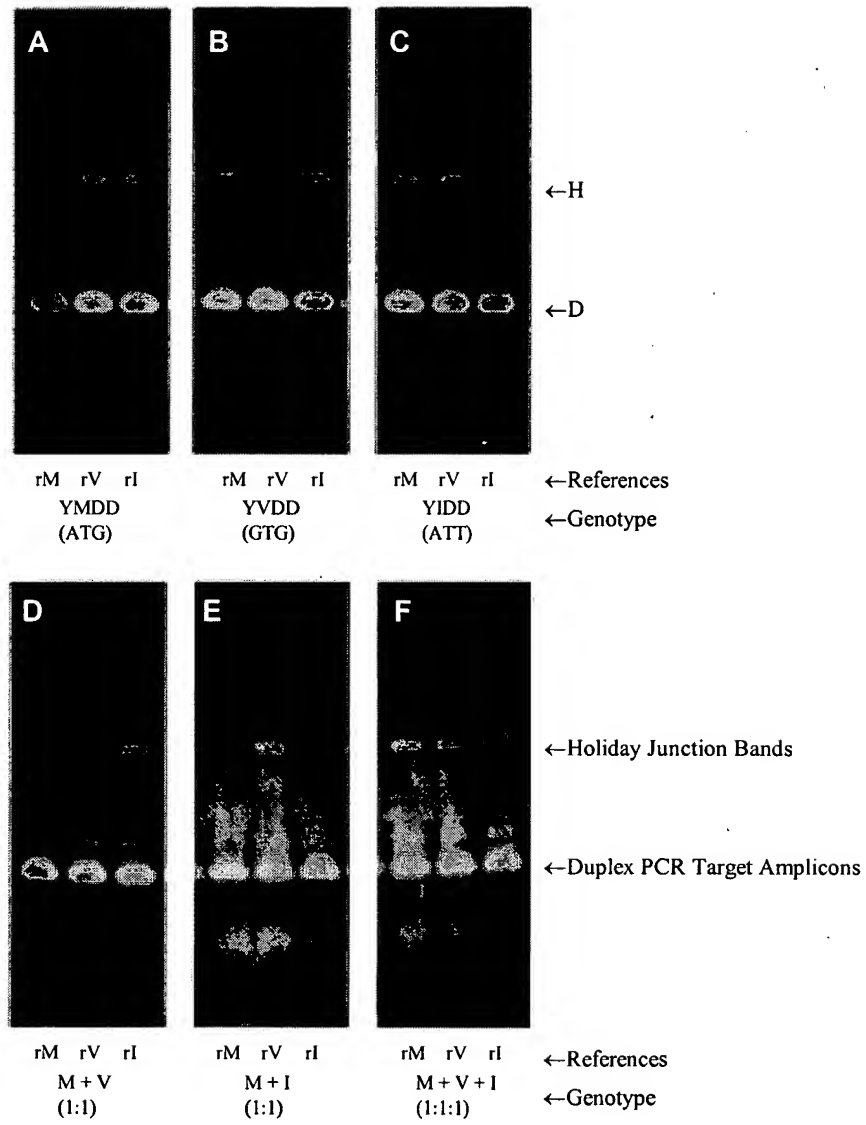


FIGURE 19

